

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/084,643B
Source: OIR
Date Processed by STIC: 7/18/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



OIPE

RAW SEQUENCE LISTING

DATE: 07/18/2003

PATENT APPLICATION: US/10/084,643B

TIME: 15:55:25

Input Set : E:\pt_SEQ.502.txt

Output Set: N:\CRF4\07182003\J084643B.raw

6 <110> APPLICANT: Tang, Y. Tom
7 Asundi, Vinod
8 Drmanac, Radoje T.
11 <120> TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
14 <130> FILE REFERENCE: 21272-502
16 <140> CURRENT APPLICATION NUMBER: 10/084,643B
17 <141> CURRENT FILING DATE: 2002-02-26
20 <150> PRIOR APPLICATION NUMBER: 09/989,660
21 <151> PRIOR FILING DATE: 2001-11-21
23 <150> PRIOR APPLICATION NUMBER: 10/014,487
24 <151> PRIOR FILING DATE: 2001-11-08
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41 <150> PRIOR APPLICATION NUMBER: 09/770,160
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54 <151> PRIOR FILING DATE: 2000-05-18
56 <150> PRIOR APPLICATION NUMBER: 09/560,875
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68 <150> PRIOR APPLICATION NUMBER: 09/519,705
69 <151> PRIOR FILING DATE: 2000-03-07
71 <150> PRIOR APPLICATION NUMBER: 09/515,126
72 <151> PRIOR FILING DATE: 2000-02-28

Does Not Comply
Corrected Dikette Needed

ppr 2-4, 6, 9-13

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DATE: 07/18/2003

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TIME: 15:55:25

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 106 <170> SOFTWARE: pt_SEQ_genes Version 1.0

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DATE: 07/18/2003

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TIME: 15:57:35

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group of 9
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 P.4

RAW SEQUENCE LISTING

DATE: 07/18/2003

PATENT APPLICATION: US/10/084,643B

TIME: 15:59:19

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explain in
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response

"d" is
valid;
"f" is
invalid

RAW SEQUENCE LISTING

DATE: 07/18/2003

PATENT APPLICATION: US/10/084,643B

TIME: 15:59:23

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p.b

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RAW SEQUENCE LISTING

DATE: 07/18/2003

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TIME: 15:59:23

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DATE: 07/18/2003

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TIME: 15:59:23

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DATE: 07/18/2003

PATENT APPLICATION: US/10/084,643B

TIME: 15:59:25

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RAW SEQUENCE LISTING

DATE: 07/18/2003

PATENT APPLICATION: US/10/084,643B

TIME: 15:59:26

Input Set : E:\pt_SEQ.502.txt

Output Set: N:\CRF4\07182003\J084643B.raw

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L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
M:341 Repeated in SeqNo=2
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:120
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:660
M:341 Repeated in SeqNo=5
L:383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
M:341 Repeated in SeqNo=11
L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:360
M:341 Repeated in SeqNo=12
L:477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
M:341 Repeated in SeqNo=14
L:812 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:420
L:839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:360
L:933 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:2460
M:341 Repeated in SeqNo=23
L:1019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:120
M:341 Repeated in SeqNo=25
L:1073 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:540
M:341 Repeated in SeqNo=27
L:1149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:240
L:1200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:240
M:341 Repeated in SeqNo=31
L:1244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:1080
L:1322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:240
M:341 Repeated in SeqNo=35
L:1435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:360
L:1492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:540
L:1703 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
M:341 Repeated in SeqNo=49
L:1765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
M:341 Repeated in SeqNo=51
L:1799 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:360
M:341 Repeated in SeqNo=52
L:2071 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:0
M:341 Repeated in SeqNo=61
L:2136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:360
L:2159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:120
M:341 Repeated in SeqNo=64
L:2184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:0
M:341 Repeated in SeqNo=65
L:2387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:360
M:341 Repeated in SeqNo=73
L:2710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:360
L:3035 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93 after pos.:0
M:341 Repeated in SeqNo=93
L:3062 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:0
M:341 Repeated in SeqNo=94
L:3179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:2160

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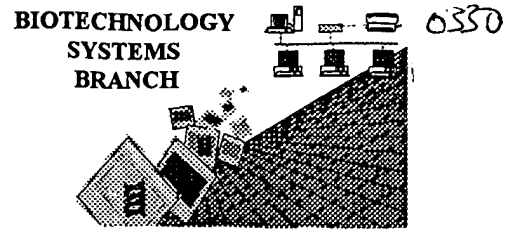
TIME: 15:59:49

Input Set : E:\pt_SEQ.502.txt

Output Set: N:\CRF4\07182003\J084643B.raw

L:3516 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:0
L:3596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109 after pos.:420
L:2955329 M:254 E: No. of Bases conflict, LENGTH:Input:2220 Counted:2219 SEQ:90222
M:254 Repeated in SeqNo=90222
L:2955333 M:252 E: No. of Seq. differs, <211> LENGTH:Input:2401 Found:2400 SEQ:90222
L:3979361 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
L:4884736 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
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0420



RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/084,643A
Source: QIPE
Date Processed by STIC: 5/7/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)**
- 2. U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- 3. Hand Carry directly to:**
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U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
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Revised 04/24/2003



OIPE

RAW SEQUENCE LISTING

DATE: 05/07/2003

PATENT APPLICATION: US/10/084,643A

TIME: 14:43:54

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6 <110> APPLICANT: Tang, Y. Tom
7 Asundi, Vinod
8 Drmanac, Radoje T.
11 <120> TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
14 <130> FILE REFERENCE: 21272-502
16 <140> CURRENT APPLICATION NUMBER: 10/084,643A
17 <141> CURRENT FILING DATE: 2002-02-26
20 <150> PRIOR APPLICATION NUMBER: 09/989,660
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72 <151> PRIOR FILING DATE: 2000-02-28

Does Not Comply
Corrected Diskette Needed

more throughout

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TIME: 14:46:04

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P.4

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RAW SEQUENCE LISTING

DATE: 05/07/2003

PATENT APPLICATION: US/10/084,643A

TIME: 14:47:47

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RAW SEQUENCE LISTING

DATE: 05/07/2003

PATENT APPLICATION: US/10/084,643A

TIME: 14:47:51

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p.b

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invalid

P.10

RAW SEQUENCE LISTING

DATE: 05/07/2003

PATENT APPLICATION: US/10/084,643A

TIME: 14:47:54

Input Set : E:\pt_SEQ.502

Output Set: N:\CRF4\05072003\J084643A.raw

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P.11

RAW SEQUENCE LISTING

DATE: 05/07/2003

PATENT APPLICATION: US/10/084,643A

TIME: 14:47:54

Input Set : E:\pt_SEQ.502

Output Set: N:\CRF4\05072003\J084643A.raw

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p. 12

RAW SEQUENCE LISTING

DATE: 05/07/2003

PATENT APPLICATION: US/10/084,643A

TIME: 14:47:54

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Output Set: N:\CRF4\05072003\J084643A.raw

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RAW SEQUENCE LISTING

DATE: 05/07/2003

PATENT APPLICATION: US/10/084,643A

TIME: 14:47:56

Input Set : E:\pt_SEQ.502

Output Set: N:\CRF4\05072003\J084643A.raw

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 5033097 tngtgtttgc atgaaaaaaa cncctg 1166

Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <20> to <22> fields of
 each sequence.

FYI
 Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <20> to <22> fields of
 each sequence.

VERIFICATION SUMMARY

DATE: 05/07/2003

PATENT APPLICATION: US/10/084,643A

TIME: 14:48:17

Input Set : E:\pt_SEQ.502

Output Set: N:\CRF4\05072003\J084643A.raw

L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
M:341 Repeated in SeqNo=2
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:120
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:660
M:341 Repeated in SeqNo=5
L:383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
M:341 Repeated in SeqNo=11
L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:360
M:341 Repeated in SeqNo=12
L:477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
M:341 Repeated in SeqNo=14
L:812 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:420
L:839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:360
L:933 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:2460
M:341 Repeated in SeqNo=23
L:1019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:120
M:341 Repeated in SeqNo=25
L:1073 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:540
M:341 Repeated in SeqNo=27
L:1149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:240
L:1200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:240
M:341 Repeated in SeqNo=31
L:1244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:1080
L:1322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:240
M:341 Repeated in SeqNo=35
L:1435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:360
L:1492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:540
L:1703 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
M:341 Repeated in SeqNo=49
L:1765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
M:341 Repeated in SeqNo=51
L:1799 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:360
M:341 Repeated in SeqNo=52
L:2071 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:0
M:341 Repeated in SeqNo=61
L:2136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:360
L:2159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:120
M:341 Repeated in SeqNo=64
L:2184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:0
M:341 Repeated in SeqNo=65
L:2387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:360
M:341 Repeated in SeqNo=73
L:2710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:360
L:3035 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93 after pos.:0
M:341 Repeated in SeqNo=93
L:3062 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:0
M:341 Repeated in SeqNo=94
L:3179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:2160

VERIFICATION SUMMARY

DATE: 05/07/2003

PATENT APPLICATION: **US/10/084,643A**

TIME: 14:48:17

Input Set : **E:\pt_SEQ.502**Output Set: **N:\CRF4\05072003\J084643A.raw**

L:3516 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:0
L:3596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109 after pos.:420 ✓
L:2955329 M:254 E: No. of Bases conflict, LENGTH:Input:2220 Counted:2219 SEQ:90222
M:254 Repeated in SeqNo=90222
L:2955333 M:252 E: No. of Seq. differs, <211> LENGTH:Input:2401 Found:2400 SEQ:90222 ✓
L:3979361 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
L:4884736 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
L:4951754 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
L:4957275 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:7
L:4983769 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
L:5004861 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
L:5004862 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:4
L:5006009 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
L:5006010 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:14
L:5006123 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:5
L:5033085 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
L:104 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (158) Counted (158931)